Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/11/2019 10:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125322	0	2.22	125334	2.25
Blue	F	SSC	125000	123918	-1	3.79	124761	3.84
Blue	E	FITC	16694	16566	-1	3.79	385	22.41
Blue	D	PE	32792	32439	-2	3.07	714	16.75
Blue	B	PerCP-Cy5-5	44451	43947	-2	4.71	1204	23.55
Blue	A	PE-Cy7	33645	33868	0	7.26	612	48.82
Red	C	APC	47008	47221	0	3.13	1826	13.60
Red	A	APC-Cy7	32298	32191	-1	2.97	806	14.17
Violet	B	V450	8961	8585	-5	4.46	486	14.63
Violet	A	V500	32726	31342	-5	4.18	757	11.48

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20722	5.13	609	-4	N/A	N/A	Pass
Blue	F	SSC	56248	3.29	579	11	N/A	N/A	Pass
Blue	E	FITC	64	72.41	566	3	0.0145	117	Pass
Blue	D	PE	142	57.74	570	4	0.1193	256	Pass
Blue	B	PerCP-Cy5-5	222	57.71	675	4	0.0070	64	Pass
Blue	A	PE-Cy7	119	124.17	731	5	0.0088	32	Pass
Red	C	APC	417	29.13	614	1	0.0186	133	Pass
Red	A	APC-Cy7	199	31.83	585	0	0.0045	1032	Pass
Violet	B	V450	75	66.82	479	-7	0.0409	2215	Pass
Violet	A	V500	109	40.30	489	-7	0.0190	1215	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/11/2019 10:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.60	-31.92	1.07
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	16.55	13.60 - 20.40	N/A	N/A	28.81	29.39	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 13431

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments